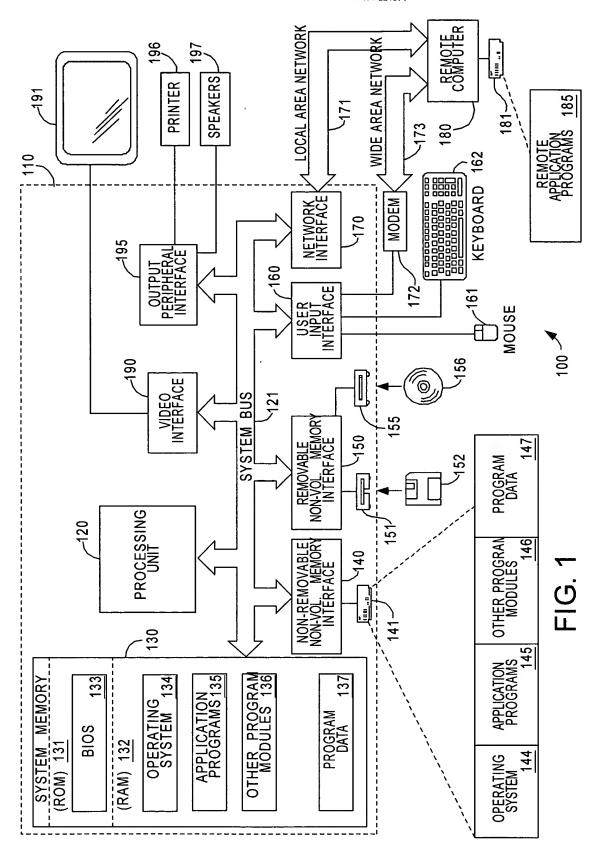
Inventor: Matt Calkins et al. Sheet 1 of 5
Filed: October 24, 2003
Title SYSTEM SUPPORTING ANIMATION OF
GRAPHICAL DISPLAY ELEMENTS THROUGH
ANIMATION OBJECT INSTANCES

Mark Joy: Leydig, Voit & Mayer Ltd.

(312) 616-5600 Docket # 224874



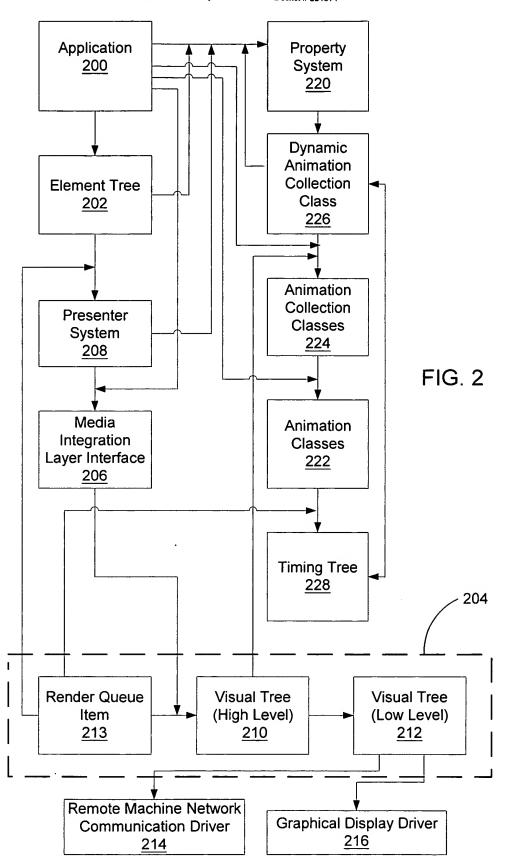
Inventor: Matt Calkins et al. Sheet 2 of 5 Filed: October 24, 2003

Title SYSTEM SUPPORTING ANIMATION OF GRAPHICAL DISPLAY ELEMENTS THROUGH

ANIMATION OBJECT INSTANCES

Mark Joy: Leydig, Voit & Mayer Ltd.

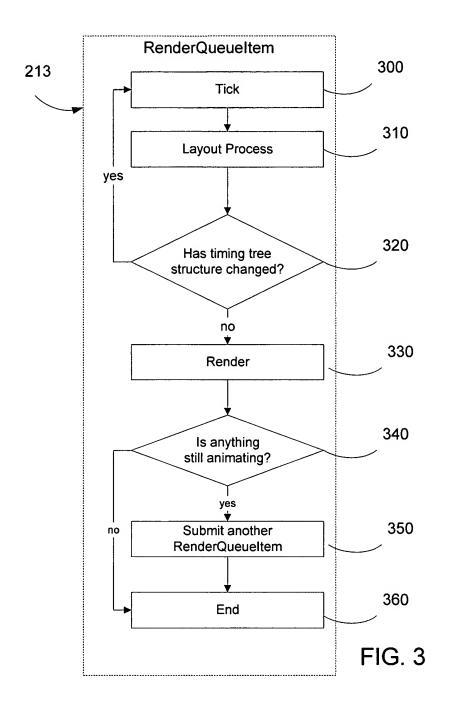
(312) 616-5600 Docket # 224874



Inventor: Matt Calkins et al. Sheet 3 of 5
Filed: October 24, 2003
Title SYSTEM SUPPORTING ANIMATION OF
GRAPHICAL DISPLAY ELEMENTS THROUGH
ANIMATION OBJECT INSTANCES

Mark Joy: Leydig, Voit & Mayer Ltd.

(312) 616-5600 Docket # 224874



Inventor: Matt Calkins et al. Sheet 4 of 5
Filed: October 24, 2003
Title SYSTEM SUPPORTING ANIMATION OF
GRAPHICAL DISPLAY ELEMENTS THROUGH
ANIMATION OBJECT INSTANCES

(312) 616-5600 Docket # 224874

Mark Joy: Leydig, Voit & Mayer Ltd.

ANIMATION CLASS

ANIMATION CLASS		
400	Animation Properties	
	From	
	То	
	Ву	
	KeyValues	
	Interpolation Method	
	KeyTimes	
	KeySplines	
	IsAccumulating	
	IsOverridingBaseValue	
	UsesBaseValue	
410		
410	Timing Properties	
	CurrentTime	
	ParentTimeline	
	Begin	
	Duration	
	Progress	
	RepeatCount	
	CurrentRepeat	
	RepeatDuration	
	Accelleration	
	Deceleration	
	Autoreverse	
	End	
	EndSynch	
	Fill	
	FillDefault	
	Restart	
	RestartDefault	
	Speed	
	IsForwardProgressing	
	IsReversed	
	IsChanging	
	IsPaused	
420	Methods	
420		
	Animation Constructors (See Fig. 5)	
	BeginIn	
	EndIn	
	Pause	
	Resume	
	Seek	
	GetUniqueInstance	
	GetValue	
430	Events	
	Changed	
	Begun	
	Ended	
	Paused	
	Repeated	
	Resumed	
	Reversed	
	Seeked	

Inventor: Matt Calkins et al. Sheet 5 of 5 Filed: October 24, 2003 SYSTEM SUPPORTING ANIMATION OF GRAPHICAL DISPLAY ELEMENTS THROUGH ANIMATION OBJECT INSTANCES Mark Joy: Leydig, Voit & Mayer Ltd. (312) 616-5600

ANIMATION CONSTRUCTOR TYPES

Docket # 224874

	ANIMATION CONSTRUCTOR TITES
500	From
510	То
520	From-To
530	Ву
540	From-By

FIG. 5

ANIMATION COLLECTION CLASS

ANNIMATION COLLECTION CEASE		
600	Methods GetUniqueInstance GetValue DefaultParentTimeline	
610	Properties IsChanging IsOverridingBaseValue Animations(array)	
620	Events Changed	

FIG. 6

DYNAMIC ANIMATION COLLECTION CLASS

700	Methods
	Constructor
	Animation Collection
	SetDefaultParentTimeLine
	GetValue
	OnChanged
710	Properties
	OriginalDynamicProperty
	Element
	IsOveridingBaseValue

FIG. 7